

## EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
		53 and (attenuator with cavity	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2007/08/17 11:04
L1	1914	219/678-687.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2007/08/17 11:13
L2	80	219/440.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2007/08/17 09:05
L3	183	219/651.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2007/08/17 09:05
L4	39	("20020117498" "20030089706" "20040010441" "5420401" "5932817" "5972711" "5988877" "6124582" "6136276" "6294772" "6302577" "6320170" "6373040" "6462321" "6521879" "6566637" "6607920" "6744024" "6753517").PN.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2007/08/17 09:05
L5	2203	1 or 2 or 3 or 4	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2007/08/17 11:16
L6	222	219/686.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2007/08/17 09:08
L7	661245	6 na dvalve	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2007/08/17 09:08
L8	84	6 and valve	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2007/08/17 09:08
L9	11	6 and valve and chemical with reaction	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2007/08/17 09:09
L10	11	6 and valve and chemical with reaction and microwave	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2007/08/17 09:10

## EAST Search History

L11	0	6 and "reciprocating tube"	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2007/08/17 09:11
L12	0	5 and "reciprocating tube"	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2007/08/17 09:11
L13	248	"reciprocating tube"	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2007/08/17 09:11
L14	11	"reciprocating tube" and microwave	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2007/08/17 09:24
L15	2	"reciprocating tube" with valve and microwave	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2007/08/17 09:13
L16	8	"reciprocating tube" and microwave and reaction	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2007/08/17 10:11
L17	42970	"reciprocating tube" with valve and microwave and reaction	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2007/08/17 09:24
L18	2	"reciprocating tube" with valve and microwave and reaction	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2007/08/17 09:25
L19	248	"reciprocating tube"	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2007/08/17 09:25
L20	41	"reciprocating tube".ti.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2007/08/17 09:36
L21	46	(hargett and thomas).in.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2007/08/17 09:28
L22	0	(hargett and thomas).in. and chemical with reaction	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2007/08/17 09:28

## EAST Search History

L23	32	(hargett and thomas).in. and chemical with reaction	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2007/08/17 09:28
L24	32	(hargett and thomas).in. and chemical with reaction and microwave	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2007/08/17 09:28
L25	2	(hargett and thomas).in. and chemical with reaction and microwave and reciprocating with tube	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2007/08/17 09:29
L26	0	"reciprocating tube".ti. and chemical with reaction	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2007/08/17 09:37
L27	0	"reciprocating tube" and "219"/\$. ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2007/08/17 09:37
L28	39	reciprocating with valve and "219"/\$.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2007/08/17 09:38
L29	4	reciprocating with valve and "219"/\$.ccls. and microwave	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2007/08/17 09:38
L30	0	reciprocating with valve and "219"/\$.ccls. and microwave and chemical with reaction	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2007/08/17 09:39
L31	7	"reciprocating tube" and microwave and reaction with chemical	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2007/08/17 10:05
L32	2	"reciprocating tube" with valve and microwave and reaction with chemical	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2007/08/17 09:49
L33	2	"6136276".pn.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2007/08/17 09:51
L34	0	4 and reciprocating	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2007/08/17 09:52

## EAST Search History

L35	12	"20030089706"	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2007/08/17 10:05
L36	0	"20030089706" and reciprocating	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2007/08/17 10:05
L37	0	"6548304".pn. and reciprocating	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2007/08/17 10:05
L38	222	219/686.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2007/08/17 10:11
L39	26	219/686.ccls. and chemical with reaction	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2007/08/17 10:11
L40	36771	39 an dvalve with tube	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2007/08/17 10:11
L41	2	39 and valve with tube	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2007/08/17 10:12
L42	22	("4180918"   "4835354"   "5215715"   "5238710"   "5387397"   "5393492"   "5420039"   "5830417"   "5883349"   "5932075"   "6011247"   "6054695"   "6120741"   "6136157"   "6288379"   "6368994"   "6630652").PN. OR ("6744024").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2007/08/17 10:27
L43	0	42 and reciprocating	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2007/08/17 10:27
L44	4	42 and Hargett.in.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2007/08/17 10:27
L45	4	42 and thomas.in.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2007/08/17 10:28

## EAST Search History

L46	4	44 or 45	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2007/08/17 10:30
L47	71491	46 nad attenuator	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2007/08/17 10:30
L48	4	46 and attenuator	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2007/08/17 11:25
L49	0	46 and attenuator with in with (cavity and vessel)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2007/08/17 10:32
L50	0	46 and attenuator with in with (vessel)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2007/08/17 10:32
L51	0	46 and attenuator.clm.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2007/08/17 10:34
L52	0	46 and attenuator with vessel with cavity	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2007/08/17 10:36
L53	21	("20010006146"   "20020117498"   "20030089706"   "20030199099"   "20040020923"   "3917699"   "5215715"   "5319172"   "5387397"   "5403564"   "5420039"   "5672316"   "5796080"   "5972711"   "6086830"   "6273886"   "6288379"   "6521876"   "6607920"   "6614010"   "6744024").PN. OR ("6989519").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2007/08/17 10:55
L54	5	53 and attenuator with cavity	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2007/08/17 11:04
L55	5	53 and attenuator with cavity	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2007/08/17 11:12
L56	0	48 and attenuator with cavity	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2007/08/17 11:12

## EAST Search History

L57	15	219/678-687.ccls. and cavity with attenuator with vessel	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2007/08/17 11:13
L58	29	219/686.ccls. and cavity and vessel not attenuator	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2007/08/17 11:17
L59	14	"422"/\$ and cavity with vessel with attenuator and microwave and chemical with reaction	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2007/08/17 11:30
L60	1	"422"/\$ and cavity with vessel with attenuator and microwave and chemical with reaction and valve with tube	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2007/08/17 11:30
S1	39	("20020117498" "20030089706" "20040010441" "5420401" "5932817" "5972711" "5988877" "6124582" "6136276" "6294772" "6302577" "6320170" "6373040" "6462321" "6521879" "6566637" "6607920" "6744024" "6753517").PN.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2007/08/17 09:02

## EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	1914	219/678-687.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2007/08/17 09:05
L2	80	219/440.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2007/08/17 09:05
L3	183	219/651.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2007/08/17 09:05
L4	39	("20020117498" "20030089706" "20040010441" "5420401" "5932817" "5972711" "5988877" "6124582" "6136276" "6294772" "6302577" "6320170" "6373040" "6462321" "6521879" "6566637" "6607920" "6744024" "6753517").PN.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2007/08/17 09:05
L5	2203	1 or 2 or 3 or 4	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2007/08/17 09:06
L6	222	219/686.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2007/08/17 09:08
L7	661245	6 na dvalve	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2007/08/17 09:08
L8	84	6 and valve	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2007/08/17 09:08
L9	11	6 and valve and chemical with reaction	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2007/08/17 09:09
L10	11	6 and valve and chemical with reaction and microwave	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2007/08/17 09:10
L11	0	6 and "reciprocating tube"	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2007/08/17 09:11

## EAST Search History

L12	0	5 and "reciprocating tube"	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2007/08/17 09:11
L13	248	"reciprocating tube"	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2007/08/17 09:11
L14	11	"reciprocating tube" and microwave	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2007/08/17 09:24
L15	2	"reciprocating tube" with valve and microwave	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2007/08/17 09:13
L16	8	"reciprocating tube" and microwave and reaction	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2007/08/17 10:11
L17	42970	"reciprocating tube" with valve and microwave and reaction	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2007/08/17 09:24
L18	2	"reciprocating tube" with valve and microwave and reaction	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2007/08/17 09:25
L19	248	"reciprocating tube"	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2007/08/17 09:25
L20	41	"reciprocating tube".ti.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2007/08/17 09:36
L21	46	(hargett and thomas).in.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2007/08/17 09:28
L22	0	(hargett and thomas).in. and chemical with reaction	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2007/08/17 09:28
L23	32	(hargett and thomas).in. and chemical with reaction	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2007/08/17 09:28

## EAST Search History

L24	32	(hargett and thomas).in. and chemical with reaction and microwave	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2007/08/17 09:28
L25	2	(hargett and thomas).in. and chemical with reaction and microwave and reciprocating with tube	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2007/08/17 09:29
L26	0	"reciprocating tube".ti. and chemical with reaction	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2007/08/17 09:37
L27	0	"reciprocating tube" and "219"/\$. ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2007/08/17 09:37
L28	39	reciprocating with valve and "219"/\$.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2007/08/17 09:38
L29	4	reciprocating with valve and "219"/\$.ccls. and microwave	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2007/08/17 09:38
L30	0	reciprocating with valve and "219"/\$.ccls. and microwave and chemical with reaction	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2007/08/17 09:39
L31	7	"reciprocating tube" and microwave and reaction with chemical	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2007/08/17 10:05
L32	2	"reciprocating tube" with valve and microwave and reaction with chemical	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2007/08/17 09:49
L33	2	"6136276".pn.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2007/08/17 09:51
L34	0	4 and reciprocating	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2007/08/17 09:52
L35	12	"20030089706"	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2007/08/17 10:05

## EAST Search History

L36	0	"20030089706" and reciprocating	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2007/08/17 10:05
L37	0	"6548304".pn. and reciprocating	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2007/08/17 10:05
L38	222	219/686.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2007/08/17 10:11
L39	26	219/686.ccls. and chemical with reaction	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2007/08/17 10:11
L40	36771	39 an dvalve with tube	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2007/08/17 10:11
L41	2	39 and valve with tube	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2007/08/17 10:12
L42	22	("4180918"   "4835354"   "5215715"   "5238710"   "5387397"   "5393492"   "5420039"   "5830417"   "5883349"   "5932075"   "6011247"   "6054695"   "6120741"   "6136157"   "6288379"   "6368994"   "6630652").PN. OR ("6744024").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2007/08/17 10:27
L43	0	42 and reciprocating	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2007/08/17 10:27
L44	4	42 and Hargett.in.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2007/08/17 10:27
L45	4	42 and thomas.in.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2007/08/17 10:28
L46	4	44 or 45	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2007/08/17 10:30

## EAST Search History

L47	71491	46 nad attenuator	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2007/08/17 10:30
L48	4	46 and attenuator	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2007/08/17 10:33
L49	0	46 and attenuator.with in with (cavity and vessel)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2007/08/17 10:32
L50	0	46 and attenuator with in with (vessel)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2007/08/17 10:32
L51	0	46 and attenuator.clm.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2007/08/17 10:34
S1	39	("20020117498" "20030089706" "2 0040010441" "5420401" "5932817"  "5972711" "5988877" "6124582" " 6136276" "6294772" "6302577" "63 20170" "6373040" "6462321" "6521 879" "6566637" "6607920" "674402 4" "6753517").PN.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2007/08/17 09:02